Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application.

1. (Currently Amended) A byte code modification method, comprising:

modifying a method's byte code instructions, said method comprising an

entry point and an exit point, said modifying comprising inserting first and

second additional byte code instructions into said method's byte code

instructions, said first additional byte code instruction to cause a first output

function to be executed for said method invoke a first dispatch process as a

consequence of said entry point being reached during runtime, said second

additional byte code instruction to cause a second output function to be

executed for said method invoke a second dispatch process as a consequence

of said exit point being reached during runtime; and,

during runtime, invoking said first dispatch process from said first additional

bytecode instruction and invoking said second dispatch process from said

second additional byte code instruction, said first dispatch process inclouding

referring to a first dictionary to identify a first plug-in that performs a first output

function, said second dispatch process including referring to a second dictionary

to identify a second plug-in that performs a second output function.

2. (Original) The byte code modification method of claim 1 wherein said first output

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function records a time of said entry point being reached.

3. (Original) The byte code modification method of claim 2 wherein said first output

function records input parameters provided to said method.

4. (Original) The byte code modification method of claim I wherein said first output

function records input parameters provided to said method.

5. (Original) The byte code modification method of claim I wherein said second

output function records a time of said exit point being reached.

6. (Original) The byte code modification method of claim 5 wherein said second

output function records output parameters provided by said method.

7. (Original) The byte code modification method of claim 1 wherein said second

output function records output parameters provided by said method.

8. (Original) The byte code modification method of claim I wherein said first

output function increments a counter maintained for said method.

9. (Original) The byte code modification method of claim 1 wherein said second

output function increments a counter maintained for said method.

10. (Original) The byte code modification method of claim 1 further comprising

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compiling source code prior to said modifying to produce said method's unmodified

byte code instructions.

11. (Original) The byte code modification method of claim 1 wherein said byte code

instructions are capable of being interpreted by a Java virtual machine.

12. (canceled).

13. (Currently Amended) The byte code modification method of claim 12 1 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokestatic

instruction.

14. (Currently Amended) The byte code modification method of claim 12 1 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokevirtual

instruction.

15. (Currently Amended) The byte code modification method of claim 12 1 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokespecial

instruction.

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16. (canceled).

17. (canceled).

18. (Original) The byte code modification method of clam 1 wherein said

modifying further comprises inserting a third additional byte code instruction, said

third additional byte code instruction to cause a third output function to be executed

for said method as a consequence of an error arising during execution of said

method.

19. (canceled).

20. (Currently Amended) A byte code modification and distributed

statistical recording method, comprising:

modifying a method's byte code instructions, said method comprising an

entry point and an exit point, said modifying comprising inserting first and

second additional byte code instructions into said method's byte code

instructions, said first additional byte code instruction to cause a first output

function to be executed for said method invoke a first dispatch process as a

consequence of said entry point being reached during runtime, said second

additional byte code instruction to cause a second output function to be

executed for said method invoke a second dispatch process as a consequence

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of said exit point being reached during runtime;

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executing said method during runtime so as to execute said first and second

output functions, said executing of said first and second output functions

causing information concerning said method to be registered

during runtime, invoking said first dispatch process from said first additional

bytecode instruction and invoking said second dispatch process from said

second additional byte code instruction, said first dispatch process including

referring to a first dictionary to identify a first plug-in that performs a first output

function, said second dispatch process including referring to a second dictionary

to identify a second plug-in that performs a second output function;

translating said information to a format employed within a distributed

statistical records ("DSR") system.

21. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said first output function records a time of said entry

point being reached.

22. (Original) The byte code modification and distributed statistical recording

method of claim 21 wherein said first output function records input parameters

provided to said method.

23. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said first output function records input parameters

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provided to said method.

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24. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said second output function records a time of said exit

point being reached.

25. (Original) The byte code modification and distributed statistical recording

method of claim 24 wherein said second output function records output parameters

provided by said method.

26. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said second output function records output parameters

provided by said method.

27. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said first output function increments a counter

maintained for said method.

28. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said second output function increments a counter

maintained for said method.

29. (Original) The byte code modification and distributed statistical recording

method of claim 20 further comprising compiling source code prior to said

modifying to produce said method's unmodified byte code instructions.

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30. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said byte code instructions are capable of being

interpreted by a Java virtual machine.

31. (canceled).

32. (Currently Amended) The byte code modification and distributed statistical

recording method of claim 31 20 wherein said method's byte code instructions are

capable of being interpreted by a Java virtual machine, and, said first additional

byte code instruction is an invokestatic instruction.

33. (Currently Amended) The byte code modification and distributed statistical

recording method of claim 31 20 wherein said method's byte code instructions are

capable of being interpreted by a Java virtual machine, and, said first additional

byte code instruction is an invokevirtual instruction.

34. (Currently Amended) The byte code modification and distributed statistical

recording method of claim 31 20 wherein said method's byte code instructions are

capable of being interpreted by a Java virtual machine, and, said first additional

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byte code instruction is an invokespecial instruction.

35. (canceled).

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36. (Original) The byte code modification and distributed statistical recording

method of claim 35 wherein said handler method that performs said first output

function and said handler method that perform said second output function are the

same handler method.

37. (Original) The byte code modification and distributed statistical recording

method of clam 20 wherein said modifying further comprises inserting a third

additional byte code instruction, said third additional byte code instruction to cause

a third output function to be executed for said method as a consequence of an error

arising during execution of said method.

38. (Original) The byte code modification and distributed statistical recording

method of claim 20 wherein said modifying further comprises inserting an additional

byte code instruction for each of said method's exit points to cause a second output

function to be executed for said method as a consequence of any of said method's

exit points being reached.

39. (Currenlty Amended) A machine readable medium containing instructions

which when executed cause a byte code modification method to be performed, the

byte code modification method comprising:

modifying a method's byte code instructions, said method comprising an

entry point and an exit point, said modifying comprising inserting first and

second additional byte code instructions into said method's byte code

Application No. 10/750,067 Amdt. filed 04/3/2007 Reply to Office action of 01/16/2007 instructions, said first additional byte code instruction to cause a first output

function to be executed for said method invoke a first dispatch process as a

consequence of said entry point being reached during runtime, said second

additional byte code instruction to eause a second output function to be

executed for said method invoke a second dispatch process as a consequence

of said exit point being reached during runtime; and,

during runtime, invoking said first dispatch process from said first additional

bytecode instruction and invoking said second dispatch process from said

second additional byte code instruction, said first dispatch process including

referring to a first dictionary to identify a first plug-in that performs a first output

function, said second dispatch process including referring to a second dictionary

to identify a second plug-in that performs a second output function.

40. (Original) The machine readable medium of claim 39 wherein said first output

function records a time of said entry point being reached.

41. (Original) The machine readable medium of claim 40 wherein said first output

function records input parameters provided to said method.

42. (Original) The machine readable medium of claim 39 wherein said first output

function records input parameters provided to said method.

43. (Original) The machine readable medium of claim 39 wherein said second

output function records a time of said exit point being reached.

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44. (Original) The machine readable medium of claim 43 wherein said second

output function records output parameters provided by said method.

45. (Original) The machine readable medium of claim 39 wherein said second

output function records output parameters provided by said method.

46. (Original) The machine readable medium of claim 39 wherein said first output

function increments a counter maintained for said method.

47. (Original) The machine readable medium of claim 39 wherein said second

output function increments a counter maintained for said method.

48. (Original) The machine readable medium of claim 39 wherein the byte code

modification method further comprises compiling source code prior to said

modifying to produce said method's unmodified byte code instructions.

49. (Original) The machine readable medium of claim 39 wherein said byte code

instructions are capable of being interpreted by a Java virtual machine.

50. (canceled)

51. (Currently Amended) The machine readable medium of claim 50 39 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokestatic

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instruction.

52. (Currently Amended) The machine readable medium of claim 50 39 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokevirtual

instruction.

53. (Currently Amended) The machine readable medium of claim 50 39 wherein

said method's byte code instructions are capable of being interpreted by a Java

virtual machine, and, said first additional byte code instruction is an invokespecial

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instruction.

54. (canceled).

55. (canceled).

56. (canceled).

57. (canceled).